ABSTRACT OF THE DISCLOSURE

The present invention is generally directed to a system and method for authenticating a transaction. In one embodiment, a method computes a message digest of a user ID, selects an index number, selects selecting an encryption key from a plurality of encryption keys using the index number, encrypts the message digest using the selected encryption key, and converts the encrypted message into an ASCII string. In another embodiment, a system is provided having components for performing these steps.

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